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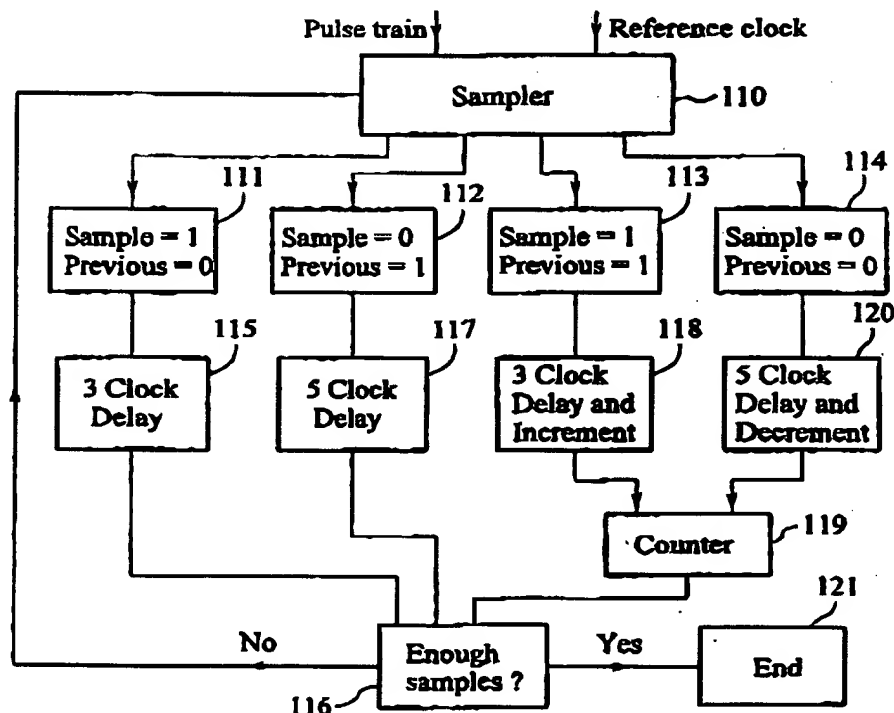
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(54) Title: **JITTER MEASUREMENT**

(57) Abstract

The digital signal is sampled (110) at sampling time derived from an offset reference clock signal (101, 102, 103) so that, in the absence of jitter and said offset by a predetermined frequency, there are a predetermined number of sampling times in each bit of said digital signal. Once the samples of the digital signal have been obtained, a count (119) is made of the occasions when there are more or less than the predetermined number of sampling times within any bit of the digital signal over a predetermined period, counting up when the occasion is greater than the predetermined number and down when the occasion is less than the predetermined number. A coarse jitter measurement is then obtained by determining the differences between the maximum count value and the minimum count value minus and divided by an integer value. In addition, a fine jitter measurement is obtained.



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